

MANEUVER

Develop, demonstrate, and transition technologies that will increase the warfighting capabilities and effectiveness of the Marine Corps Air Ground Task Force (MAGTF). This Thrust will capture emerging and “leap ahead” technologies in the areas of mobility, materials, propulsion, survivability, and unmanned systems.

RECENT TRANSITIONS

**GLADIATOR TACTICAL
GROUND UNMANNED
VEHICLE (FNC)**

Transitioned to MCSC

**RECONNAISSANCE,
SURVEILLANCE, &
TARGETING VEHICLE (FNC)**

Transitioned to MCSC

**MODELING & SIMULATION
BASED DESIGN (D&I)**

Transitioned to MCCDC

**SHOCK MITIGATED SEAT -
PHASE I (D&I)**

Transitioned Phase I to MCSC

FOCUS AREA

SURVIVABILITY

MVR STO-1: Advanced power plants, drive trains, and suspensions

MVR STO-2: Advanced and composite materials to enhance the performance and survivability of combat vehicles

FP STO-3: Incorporation of improved materials for future vehicles and aircraft that provide improved levels of protection at reduced weight and volume

FP STO-4: Active protection system for vehicles against rocket propelled grenades.

UNMANNED SYSTEMS

MVR STO-6: Advanced robotic systems for ground combat

ADVANCED MOBILITY

MVR STO-1

MVR STO-2

MVR STO-3: Augmented cognition for combat vehicle crews and operators of maneuver systems

PROJECT

**SURVIVABILITY SYSTEMS
MATERIALS (D&I)**

**SHOCK MITIGATED
SEAT - PHASE II (D&I)**

**ELECTROMAGNETIC
NON-EXPLOSIVE
ARMOR (D&I)**

**COMBAT S&T WHOLE
SYSTEM TRADE
STUDY (D&I)**

**ADVANCED
ELECTROMAGNETIC
ARMOR (D&I)**

**ACTIVE RPG
DEFENSE (FNC)**

**ULTRA ARMORED
PATROL VEHICLE (D&I)**

**ULTRA APV
SURVIVABILITY
ENHANCEMENTS
(Plus-Up)**

**EXPLOSION RESISTANT
COATING ACTD (D&I)**

**GUNSLINGER HOSTILE
FIRE DETECTION (FNC)**

**COGNITIVE ASSESSMENT
& TASK MANAGEMENT
(D&I)**

**EXPEDITIONARY
DECISION SUPPORT
SYSTEM (FNC)**

**COMBAT S&T VEHICLE
MODELING & SIMULATION
BASED DESIGN (D&I)**

**BATTLEFIELD POWER
GENERATION (FNC)**

**ELECTRONICALLY
CONTROLLED ACTIVE
SUSPENSION (D&I)**

**ADVANCED LEAD-ACID
BATTERY (Plus-Up)**

**FUTURE TACTICAL TRUCK
SYSTEM ACTD (D&I)**

**EXTREME TERRAIN
MEDEVAC VEHICLE
(Plus-Up)**

**EFV OBSTACLE
DETECTION SYSTEM (FNC)**